

Product Data Sheet

CASTROL OPTILEB[®] V

Physiologically safe, fully synthetic compressor oils

DESCRIPTION

CASTROL OPTILEB[®] V are fully synthetic compressor oils based on polyalphaolefin of the ISO viscosity grades 32, 46, 68 and 100 for applications in compressors in the food and beverage industries as well as in the pharmaceutical industries.

CASTROL OPTILEB[®] V only contain raw materials which are listed in the Guideline of Security 21 CFR 178.3570 of the FDA and which are in conformity with USDA H1.

APPLICATIONS

- Screw-type compressors
- Piston compressors
- Sliding vane compressors
- Air compressors

ADVANTAGES

- OPTITEC[®] - OPTIMOL technology
- physiologically safe
- clean and safe operation of compressors
- odorless, tasteless and colorless
- compatible with sealing materials resistant to mineral oil
- high viscosity index, low viscosity-temperature dependence
- high oxidation stability
- minimum residue formation
- excellent water separation ability
- good wear protection
- compatible with mineral oil
- extended service life in comparison with mineral oil

NOTES FOR USE

- Please observe the viscosity specified by the manufacturer.
- CASTROL OPTILEB[®] V are compatible with all conventional plastics and sealing materials which are resistant to low-viscous mineral oils.
- When changing from mineral oil to CASTROL OPTILEB[®] V please clean system and monitor filter.

CASTROL OPTILEB[®] V

Technical data

	Unit	Value				Test method
CASTROL OPTILEB[®] V	-	32	46	68	100	-
Article no.	-	05250	05251	05252	05253	-
Color	-	colorless				visual
Base	-	PAO				-
ISO viscosity grade	-	32	46	68	100	DIN 51519
Density at + 15°C/+ 59°F	kg/m ³	829	834	837	845	DIN 51757
Kin. viscosity at + 40°C/+104°F + 100°C/+212°F	mm ² /s	30.23 5.81	46.81 7.8	66.23 10.26	95.45 13.62	DIN 51562
Viscosity index	-	138	136	141	144	DIN ISO 2909
Pour point	°C °F	< - 50 < - 58	- 48 - 54.4	- 45 - 49	- 45 - 49	DIN ISO 3016
Flash point	°C °F	220 428	242 467.6	242 467.6	242 467.6	DIN ISO 2592
Carbon residue after aging	%	0.11	0.13	0.13	0.13	DIN 51352
Demulsion characteristics (54°C/129.2°F) (82°C/179.6°F) *	min.	6	6.5	11	3.5 *	DIN 51599

1 mm²/s \triangleq 1 cSt

These technical data are based on average test results. Minor deviations may occur from case to case. For further product information please contact the Technical Service of Castrol Industrie GmbH.

Above data are based on extensive tests and practical experience. Considering the wide range of application requirements, they cannot, however, guarantee success in every single case. We therefore recommend practical trials. We reserve the right to change the product composition with a view to further improvement.